



SUBJECT (MODULE) DESCRIPTION

| Name of the academic subject (module) | Code |
|---------------------------------------|------------|
| Cost Accounting and Management | 18-09-2024 |

| Annotation |
|--|
| The subject provides students with the theoretical and practical knowledge on application and management accounting methods for costs and production costs at the company; skills to account, analyse, evaluate, optimize costs and production cost, provide the information for internal accounting information users. The content of the subject includes presentation of management and cost accounting information system, analysis of costs and production cost concept and types, costing methods, cost allocation, methodologies of evaluation of costs' behaviour, cost-volume-profit, cost management and other issues. |

| Staff | Department |
|--|--|
| Co-ordinator: Assoc prof. dr. Daiva Tamulevičienė Other: prof. dr. Rasa Subačienė | Faculty of Economics and Business Administration, Department of Accounting and Auditing |

| Cycle of studies | Type of the subject (module): |
|------------------|-------------------------------|
| First | Compulsory |

| Form of implementation | Period | Language of instruction |
|------------------------|---------------------|-------------------------|
| Face-to-face, remote | Autumn semester (3) | English |

| Requirements for students | | | |
|---|------------------------|--|------------------------|
| Prerequisites: Fundamentals of Accounting | | Additional requirements (if any): Financial Accounting | |
| Volume of the subject (module) in credits | Total student workload | Contact hours | Independent work hours |
| 5 | 130 | 48 | 82 |

| Aims of the subject (module): competences to be built by the study programme |
|---|
| <p>The purpose of the subject is to provide knowledge on the application of methods of cost accounting and their management at the company and to develop students' abilities to account, analyse, evaluate, optimize the company's costs and provide this information to internal users.</p> <p>General competences:</p> <p>1.1. Will be able to communicate effectively in writing and oral form, and to convey accounting and financial knowledge to professionals and non-professionals, in line with professional ethics and citizenship.</p> <p>2.2. Will demonstrate creative thinking skills, ability to make innovative decisions.</p> <p>Course unit competences:</p> |

3.1. Will have the latest fundamental and applied knowledge in economics, management, finance, accounting and auditing, will know classical and modern theories in the field of accounting, will be able to apply them in interdisciplinary studies and professional sphere in accounting of national and international organizations.

4.1. Will be able to collect, process, systematize and evaluate economic, financial, statistical, accounting data and information, using the latest information search sources and applying modern methods of its processing and systematization, carry out research and present conclusions based on research results.

4.2. Will be able to analyse and evaluate various economic and social processes, organizational behaviour and environment, interpret legislation and apply it to compiling of various reports, solution of organizational management and professional problems.

5.3. Will be able to analyse, evaluate and forecast organization indicators, identify accounting and financial management problems, choosing complex technological, organizational and methodological measures, applying a systemic and global approach, as well as formulate conclusions, generalizations, proposals.

| | Intended outcomes of the subject (module) | Study methods | Assessment methods |
|-------------|--|--|---|
| 1.1, 2.2 | will demonstrate creative thinking skills by choosing appropriate cost accounting and management methods, communicate effectively with colleagues by solving cases and tasks | Lectures, seminars, independent study of the supplementary literature, accomplishment of practical assignments, analysis of cases, individual work, application and testing of AI tools Accomplishment of tasks on eLearning system | Assessment of accomplishment of tasks on eLearning system, active participation and contribution to the analysis of topics, tasks, cases Active participation in guest lectures, visits, international projects and activities, if any Midterm test Exam |
| 3.1 | will be able to apply the acquired knowledge of cost accounting and management methods in practice | Lectures, seminars, independent study of the supplementary literature, accomplishment of practical assignments, analysis of cases, individual work. Accomplishment of tasks on eLearning system | Assessment of accomplishment of tasks on eLearning system, active participation and contribution to the analysis of topics, tasks, cases Active participation in guest lectures, visits, international projects and activities, if any Midterm test Exam |
| 4.1 | will be able to independently collect, process, systematize and evaluate information for costs accounting, analysis, provide conclusions | Lectures, seminars, independent study of the supplementary literature, accomplishment of practical assignments, analysis of cases, individual work, application and testing of AI tools Accomplishment of tasks on eLearning system | Assessment of accomplishment of tasks on eLearning system, active participation and contribution to the analysis of topics, tasks, cases Active participation in guest lectures, visits, international projects and activities, if any Midterm test Exam |
| 4.2 | will be able to choose and apply various models of short-term decisions, evaluate their consequences | Lectures, seminars, independent study of the supplementary literature, accomplishment of practical assignments, analysis of cases, individual work, application and testing of AI tools Accomplishment of tasks on eLearning system | Assessment of accomplishment of tasks on eLearning system, active participation and contribution to the analysis of topics, tasks, cases Active participation in guest lectures, visits, international projects and activities, if any Midterm test Exam |
| 5.3 | will be able to evaluate the impact on financial results of the change of such factors as cost, volume and others, suggest alternatives of decisions for different business situations | Lectures, seminars, independent study of the supplementary literature, accomplishment of practical assignments, analysis of cases, individual work. | Assessment of accomplishment of tasks on eLearning system, active participation and contribution to the analysis of topics, tasks, cases |

| | Intended outcomes of the subject (module) | Study methods | Assessment methods |
|--|---|---|---|
| | | Accomplishment of tasks on eLearning system | Active participation in guest lectures, visits, international projects and activities, if any Midterm test Exam |

| Themes | Contact hours | | | | | | | Independent work assignments | |
|--|---------------|---------------|----------|-------------------|-----------|------------|---------------------|------------------------------|---|
| | Lectures | Consultations | Seminars | Practical classes | Lab works | E.learning | Total contact hours | Independent work | Assignments |
| 1. Management and cost accounting information system, code of ethics. Overview of the management and cost accounting system. IMA, CIMA Code of Ethics for Management Accountants. | 2 | | | | | | 2 | 7 | Independent study of supplementary material; Preparation for the midterm test |
| 2. Cost concept and cost classification. Manufacturing cost, nonmanufacturing costs. Product cost, period cost. Cost classification on financial statement. | 4 | | | 3 | | | 7 | 14 | Independent study of supplementary material; tasks solving, accomplishment of tasks on eLearning system Preparation for the midterm test |
| 3. Costing methods: job-order costing and process costing. Measuring of direct costs. Assessment of overheads. Computation of total job costs and costs for unit. Comparison of cost flows in job-order costing and process costing. Cost flows in process costing. Process costing computations. | 6 | | | 4 | | | 10 | 15 | Independent study of supplementary material; case study; tasks solving, accomplishment of tasks on eLearning system Preparation for the midterm test |
| 4. Inventory and production management. Categories of inventory costs. Inventory and production management systems. | 2 | | | 1 | | | 3 | 6 | Independent study of supplementary material; tasks solving, accomplishment of tasks on eLearning system Preparation for the midterm test |
| 5. Cost allocation. Essence and purposes of cost allocation. Methods of allocation of support department costs. Presentation of activity based costing (ABC) approaches. | 2 | | | 2 | | | 4 | 8 | Independent study of supplementary material; case study; tasks solving, accomplishment of |

| Themes | Contact hours | | | | | | | Independent work assignments | |
|--|---------------|---------------|----------|-------------------|-----------|------------|---------------------|------------------------------|---|
| | Lectures | Consultations | Seminars | Practical classes | Lab works | E.learning | Total contact hours | Independent work | Assignments |
| | | | | | | | | | tasks on eLearning system Preparation for the exam |
| 6. Joint and by-product costing. Joint products and by-products. Methods of allocating of joint costs. Accounting of by-products. | 4 | | | 1 | | | 5 | 6 | Independent study of supplementary material; case study; tasks solving, accomplishment of tasks on eLearning system Preparation for the exam |
| 7. Cost behaviour. Fixed and variable cost. Mixed cost. The analysis of mixed cost: scatter graph plot, the high-low method, the least-squares regression method and other. | 4 | | | 1 | | | 5 | 6 | Independent study of supplementary material; case study; tasks solving, accomplishment of tasks on eLearning system Preparation for the exam |
| 8. Cost – volume – profit (CVP) relationships. CVP analysis. Contribution margin ratio. Break-even and target profit analysis. Additional applications of CVP concepts. | 4 | | | 2 | | | 6 | 8 | Independent study of supplementary material; case study; tasks solving, accomplishment of tasks on eLearning system Preparation for the exam |
| 9. Variable costing as a tool for management. Overview of absorption and variable costing. Choosing a costing system. | 2 | | | 1 | | | 3 | 6 | Independent study of supplementary material; case study; tasks solving, accomplishment of tasks on eLearning system Preparation for the exam |
| 10. Differential analysis. Decision making concepts. The total and differential approaches. | 2 | | | 1 | | | 3 | 6 | Independent study of supplementary material; tasks solving, accomplishment of |

| Themes | Contact hours | | | | | | Independent work assignments | |
|--|---------------|---------------|----------|-------------------|-----------|------------|------------------------------|---|
| | Lectures | Consultations | Seminars | Practical classes | Lab works | E.learning | Total contact hours | Independent work |
| | | | | | | | | tasks on eLearning system Preparation for the exam |
| It's planned the participation of social partner from international company (Big4) as a guest lecture or a visit to an international company | | | | | | | | |
| Total: | 32 | | | 16 | | | 48 | 82 |

| Assessment strategy | Weight in points | Time of assessment | Criteria of assessment | |
|--------------------------------------|------------------|---------------------|---|--------------------------|
| Midterm test | 40 | During the semester | The test consists of open-ended and closed-ended (multiple-choice) questions. | |
| | | | The assessment of the first intermediate test: | |
| | | | The number of correct answered questions, % | The value of final grade |
| | | | 100 | 2,0 |
| | | | 90 | 1,8 |
| | | | 80 | 1,6 |
| | | | 70 | 1,4 |
| | | | 60 | 1,2 |
| | | | 50 | 1,0 |
| | | | 40 | 0,8 |
| | | | 30 | 0,6 |
| | | | 20 | 0,4 |
| | | | 10 | 0,2 |
| 0 | 0,0 | | | |
| Accomplishment of tasks on eLearning | 20 | During the semester | Task performance is assessed at the end of the semester by distributing of two final grade points to the number of completed tasks on the eLearning system. | |
| Final exam | 40 | During the session. | The exam is mandatory. The test consists of tasks based on open-ended questions. | |
| | | | The assessment of the first intermediate test: | |
| | | | The number of correct answered questions, % | The value of final grade |
| | | | 100 | 2,0 |
| | | | 90 | 1,8 |
| | | | 80 | 1,6 |
| | | | 70 | 1,4 |
| | | | 60 | 1,2 |
| | | | 50 | 1,0 |
| | | | 40 | 0,8 |
| | | | 30 | 0,6 |
| | | | 20 | 0,4 |

| Assessment strategy | Weight in points | Time of assessment | Criteria of assessment | |
|--|------------------|---------------------------------|--|-----|
| | | | 10 | 0,2 |
| | | | 0 | 0,0 |
| Additionally earned grade (on top of 100%) | 20 | During the semester | Additionally earned grade for active participation in guest lectures, visits, international projects and activities: 10% for active participation in guest lectures, visits – discussions, answering questions, tests and etc., if any 10% for participation in international projects and activities – attending international public lectures, doing tasks and exercises for international projects and activities, if any. | |
| Final grade | 100 | | The final grade consists of the evaluations of the exam, midterm test and accomplishment of tasks on eLearning system. The quality of the answers, performance of tasks and other assignments is evaluated in the following way: 95 – 100 % - 10 (excellent) 85 – 94 % - 9 (very good) 75 – 84 % - 8 (good) 65 – 74 % - 7 (average) 55 – 64 % - 6 (satisfactory) 45 – 54 % - 5 (weak) 35 – 44 % - 4 (unsatisfactory) 25 – 34 % - 3 (very unsatisfactory) 15 – 24 % - 2 (poor) 0 – 14 % - 1 (extremely poor) | |
| Assessment of external examination | 100 | First two weeks of new semester | The test of the exam consists of tasks based on open-ended questions (whole course). The exam is evaluated in the following way: 95 – 100 % - 10 (excellent) 85 – 94 % - 9 (very good) 75 – 84 % - 8 (good) 65 – 74 % - 7 (average) 55 – 64 % - 6 (satisfactory) 45 – 54 % - 5 (weak) 35 – 44 % - 4 (unsatisfactory) 25 – 34 % - 3 (very unsatisfactory) 15 – 24 % - 2 (poor) 0 – 14 % - 1 (extremely poor) | |

| Author | Year | Title | Volume of the periodical or publication | Place of publishing, publishing house, or Internet reference |
|--|------|--------------------------------|---|--|
| Compulsory literature | | | | |
| Garrison, Ray H., Noreen, Eric W., Brewer, Peter C. | 2017 | Managerial Accounting | 16th edition | McGraw-Hill |
| Bhimani, Alnoor, Horngren, Charles T., Datar, Srikant M., Rajan, Madhav V. | 2015 | Management and Cost Accounting | 6th edition | Pearson |
| Supplementary literature | | | | |

| | | | | |
|------------------------------------|------|--------------------------------|--------------|--------------------------------|
| Jiambalvo James | 2020 | Managerial Accounting | | Wiley |
| Drury Collin | 2018 | Management and Cost Accounting | 10th edition | Cengage |
| Collis Jill | 2016 | Management Accounting | | Macmillan Education, Palgrave |
| Tamulevičienė, D.; Subačienė R. | 2013 | Valdymo apskaita | | Vilniaus universiteto leidykla |